



PASSIV-LINE

Innovative, original line of energy-efficient windows with proven excellent thermal insulation parameters. Awarded with multiple prestigious awards. Addressed for passive, zero-energy and energy-efficient houses.

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PREMIUM-LINE

Line of windows characterized by high strength, great thermal insulation parameters, functionality, as well as aesthetics and modernity.

Page 14-15



COMFORT-LINE

Economical and durable line of windows with great thermal insulation parameters, excellent for construction investments.

Page 16-17



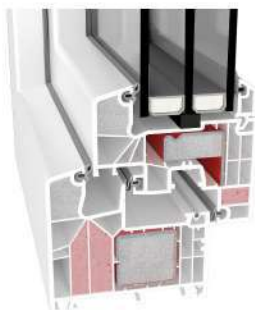
ALUMINIUM JOINERY

We apply exceptionally resistant solutions for our aluminium joinery, which provide durability for many years. We offer a full range of aluminium structures - including windows, doors and façades.

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PASSIV-LINE

WARMTH
COMFORT
SAFETY



Uw
0,69
W/m²K*

*with the use of
0.5 W/m²K
glazing with warm
spacers Premium

PASSIV-LINE+

Windows addressed to customers looking for excellent energy-saving performance apart from exceptional sealing characteristics. The Passiv-Line Plus system is a combination of a perfect barrier eliminating heat loss with enhanced sound absorption factors. The system has been awarded with an MTP 2015 medal and numerous other awards. What is more, it is a product that significantly stands out on the market with its great price to performance relationship. Technologies used to produce this window will satisfy every customer who values the combination of modern technology with a classic line. This product is intended for passive and energy-efficient houses.

Innovativeness of this product consists in applying polyurethane foam and styrofoam blocks in profile chambers. Modern unconventionality also lies in the insert, made of PES tape, which insulates glass units.



V-PERFECT
TECHNOLOGY



INNOWACYJNA
STOLARKA 2012
VIP

euro topten
POLSKA 2014



euro topten
POLSKA 2019



PASSIV-LINE ULTRA

Passiv Line Ultra is a passive window directed to passive and zero-energy buildings. It is characterized by a construction that allows obtaining the expected parameters for passive windows, in particular:

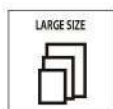
- profiles, instead of reinforcements, have thermoplastic inserts enriched with glass fiber called the Ultradur High Speed manufactured by the BASF company, and the chambers are filled with polyurethane foam.
- as a standard the windows are fitted with triple glazing, with a coefficient of $U_g = 0.5$ (W / m²K) with glued ECLAZ pane, thanks to which 77% of light (Lt) and 60% of solar energy- g are transmitted into the room, which allows for free energy heat from the sun and increasing the proportion of light inside. These are noticeably higher parameters than in the case of standard glazing units.
- using the warm spacer- SWISSPACER ULTIMATE, recommended by the Institute in Darmstadt as for passive windows, definitely reducing the thermal bridge between the frame and glass packages.
- high tightness, the result is: tightness Q100 = 0.06 m³ / (hm)
- this window also automatically meets the requirements for windows for construction in 2021.

AdamSis the first company in Poland which obtained a certificate confirming the production of Passiv Line Ultra windows from certified components for Passive construction tested by the Passiv House Institute in Darmstadt. The certificate was issued by the Polish Institute of Passive and Renewable Energy Günter Schlagowski.



U_w
0,66
W/m²K*

* with the use of 0,5W/m²K glazing with warm spacers SWISSPACER ULTIMATE



PASSIV-LINE S



WARMTH
COMFORT
SAFETY



PASSIV-LINE S

The Passiv-line S multi-functional window effectively protects houses and apartments against noise and burglary. It brings measurable financial benefits to users resulting from reduction of heat energy consumption for heating purposes. It reduces the emission of carbon dioxide and dust into the atmosphere, actively and effectively fighting smog. It is a window tailored to the current needs of investors and challenges facing the construction industry. Passiv-line S is silence, safety and clean air. Pure profit for everyone.

Uw
0,78
W/m²*K

*with the use of
0,6W/m²K glazing

The special features of the Passiv-line S windows are as follows:

- Heat transfer for the reference window $U_w=0.78$ W/(m²*K)
- Acoustic insulation for the reference window $R_w=45$ (-2;-5) dB; RA1 43 dB; RA2 40 dB
- Burglary resistance class for the reference window: RC2

Rw
45 db

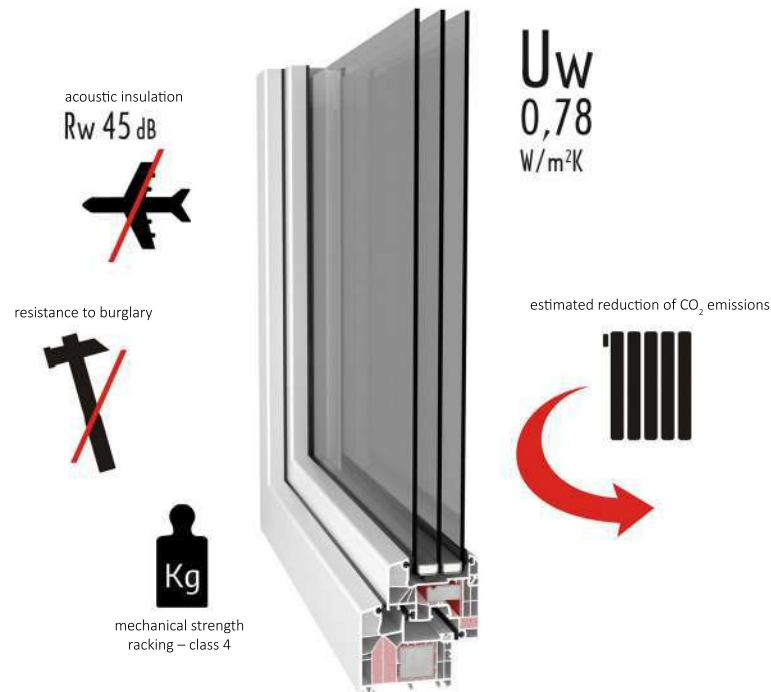


Moreover:

- Estimated reduction of CO₂ emissions for the reference window in a building heated with coal — 70.3 kg/m²
- Estimated reduction of CO₂ emissions for the reference window in a building heated with natural gas — 56.6 kg/m²
- Mechanical resistance of racking — class 4 — (weight of a glazed leaf that opens to an angle of 90° + 800 N)



PASSIV-LINE S



Advantages of Passiv-line S windows:

- greater steadiness of windows thanks to the stiffening effect of the glass;
- better protection against burglary - no possibility to push the glass out of the sash thanks to the perimeter gap with glue and thanks to the anti-burglary glass in P4 class and the safety hardware fittings package;
- better acoustic insulation thanks to glued glass and diversified construction of the special glass package and a triple set of gaskets;
- energy-saving - energy-modified window profiles - a significant reduction in heating costs;
- significantly better thermal insulation;
- property safety thanks to RC2 class;
- such a solution relates directly to the EU recommendations to reduce greenhouse gas emissions to the atmosphere (the window directly contributes to reducing thermal energy consumption).

THE PASSIV-LINE WINDOWS OFFER - A SAFETY PACKAGE AS A STANDARD



ANTI-PRY LATCHES
up to four pieces in R and RU casements, depending on the casement size

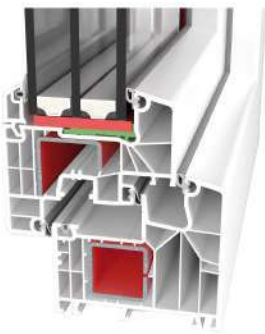


KoPiBo ROLLER
All rollers in a casement are mushroom type, rotating, KoPiBo, self-aligning, and provide easy and convenient use of the handle

PREMIUM LINE



STABILITY
DURABILITY
ENERGY EFFICIENCY



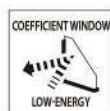
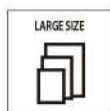
IDEAL 8000

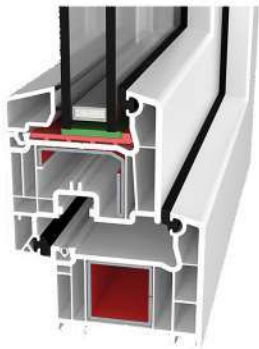
Windows of the Ideal 8000 system are a combination of a classic style known from wooden windows, and above-average insulation parameters. As a standard, the windows are fitted with triple glazing units with a coefficient of $U_g = 0.5$ W/m^2k and excellent Siegenia Titan fittings, and can easily compete with any product in this class. Application of three gaskets ensures tightness and provides enhanced levels of sound insulation. These solutions are addressed especially to energy-efficient buildings with modern lines. It is also important that the products from this line are available at reasonable prices, which increases their attractiveness further.

Uw
0,76

W/m²K*

*with the use of
0.5 W/m²K glazing with
warm spacers



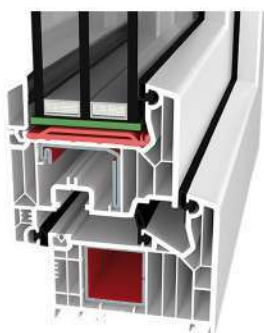
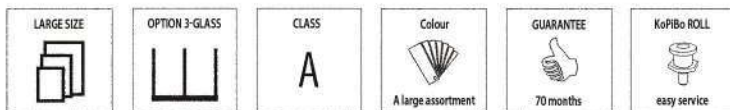


VEKA PF 70

Windows made by us in the VEKA PF 70 system are addressed to customers who appreciate quality and functionality. This profile is produced in class A and five-chamber design of the frame and casement. Properly selected and applied sections of reinforcement steel enable the construction of large-size windows corresponding to the current architectural trends. Classic and simple lines in optics of this product give it a timeless look, and rich selection of colours will satisfy the most sophisticated taste.

U_w
0,95
| W/m²K*

*with the use of
0.6 W/m²K glazing with
warm spacers



VEKA SL 82

Products manufactured in the VEKA SL 82 system are aimed primarily at eliminating losses associated with excessive expenditure on heating, as well as potential loss in an event of burglary. Windows are class A manufactured. The seven-chamber window frame design and six-chamber casement design enabled achieving exceptional insulation, acoustics, and rigidity parameters. Standard thermal transfer of the entire window of $U_w=0,77$ W/m²k. Windows with the highest Energy-saving parameters and high functionality, anti-pry latches definitely hindering the possibility of breaking into the building. Classic, yet modern design. Large selection of colours.

U_w
0,77
| W/m²K*

*with the use of
0.5 W/m²K glazing with
warm spacers



OPTION: VEKA SL82 certified anti-burglary windows in RC3 class.

VEKA SL 82 windows can be equipped with special dedicated Siegenia TITAN AF fittings in accordance with DIN EN 1627: 2011. The RC3 class is the highest safety class in PVC windows, which informs that the windows protect against burglary with the use of heavy tools. The license is based on testing and certification from the PfB laboratory- Prüfzentrum für Bauelemente, Lackermannweg 24, 83071 Stephanskirchen.

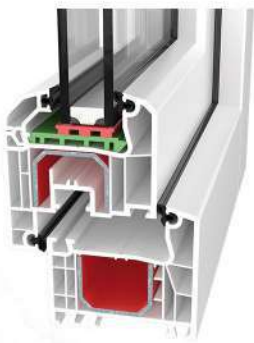
In the RC3 class, we can make almost all window structures: R and RU sashes, structures with a movable mullion and a fixed mullion. The maximum height of the structure is 3000 mm, while the maximum height with the mullion is 2200 mm. FIX glazing up to 1600 mm by 3000 mm.



Anti-burglary confirmed
by a certificate.

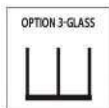
COMFORT LINE

MODERNITY
ELEGANCE
ENERGY-EFFICIENCY
ECONOMY



AS 4000 CLASSIC - RONDO

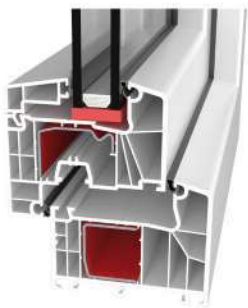
For people primarily looking for economic solutions we have prepared the Aluplast 4000 system windows. Based on the profiles, which are very well-known in Poland, combined with proven Siegenia hardware fittings, thanks to our experience and knowledge, these windows are a great alternative for multiple products. These products have two major advantages: the first is their economic advantage, and the second is the quality of products of the AdamS company. We know exactly that windows must serve many years and this is what we aim at during production. The only choice you must make is the shape and colour.



Rondo

Uw
0,95
W/m²K*

*with the use of
0,6W/m²K glazing with
warm spacers



AS PLUS

Window based on the Aluplast 7000 NEW system, with enhanced thermal performance profiles, fits in perfectly with the current thermal requirements for windows. Window fitted with a single chamber glazing unit as a standard, may be fitted with a $U_g = 0.5 \text{ W/m}^2\text{k}$ unit at a small charge, which automatically puts them in a line of products with excellent thermal parameters. At the same time for those who require comfortable cleaning, this profile with two gaskets does not require a lot of work during this activity. This is a line of modern windows with acute finish lines.

U_w
0,79
W/m²K*

*with the use of
0.5 W/m²K
glazing with warm
spacers



CHARACTERISTICS OF PVC WINDOWS

	Passiv Line ULTRA	Passiv Line PLUS	Passiv Line S	Ideal 8000
Depth of profile installation	85	85	85	85
Number of chambers in the profile	6 + insulation	6 + insulation	6 + insulation	6
Uf of the frame/casement assembly	0,73	0,89	0,89	1
Weld in white windows	V-perfect / TYPE V	V-perfect / TYPE V	V-perfect / TYPE V	V-perfect / TYPE V
Weld/windows in wood-like veneer (applicable from the side of the veneer)	V-perfect	V-perfect	V-perfect	V-perfect
Weld/windows in smooth veneer (applies to the veneer side)	V-perfect	V-perfect	V-perfect	V-perfect
Number of gaskets at the casement/frame interface	3	3	3	3
Type of gaskets in profiles	TPE	TPE	TPE	TPE
Colour of the gaskets in the veneer-covered joinery, 1-, 2-sided	black	black	black	black
Glazing bead	Classic	Classic	Classic	Classic
Glazing unit	4 ECLAZ/18Ultimate/4/18Ultimate/4Eclaz Ug=0,5 W/m ² *K	4TM/18A/4/18A/4TM Ug=0,5 W/m ² *K	44.4TM/14A/6/14A/6TM Ug=0,6 W/m ² *K	4TM/18A/4/18A/4TM Ug=0,5 W/m ² *K
Glass pane spacer	warm Edge SWISSPACER	warm edge	warm edge	steel
Heat transfer coefficient for the entire 1230 x 1480 window	Uw=0,66 W/m ² *K	Uw=0,73 W/m ² *K	Uw=0,78 W/m ² *K	Uw=0,78 W/m ² *K
Unit light transmission factor - Lt %;	77%	71-74%	72%	71-74%
Solar energy transmission - g%	60%	50-54%	48%	50-54%
Acoustic insulation	33 (-1;-7)	33 (-1;-7)	45 (-2;-5)*	33 (-1;-7)
Resistance to wind load - deflection of the frame*	C3/B3	C5	C5	C5
Water resistance (unprotected) *	E1500	E1500	E1500	E1500
Air permeability*	4	4	4	4
Load-bearing capacity of safety devices *	350 N	350 N	350 N	350 N
SIEGENIA TITAN AF fitting	s	s	s	s
SIEGENIA FAVORIT fitting	-	-	-	-
Rotating, self-adjusting KoPiBo rollers - allow for easy and convenient handle operation	s	s	s	s
Anti-pry latches/1 casement	up to 4	up to 4	up to 4	up to 4
Microventilation in the RU casement	s	s	s	s
Incorrect position lock	s	s	s	s
Lifting device in the RU casement	s	s	s	s
Bottom fitting groove filled with packing	s	s	s	s
Aluminium handles	Premium Handles	Premium Handles	Premium Handles	Premium Handles
Mounting profile	s	s	s	s
Mounting profile sealing	s	s	s	s
Guarantee period on the rectangular windows	80 months	80 months	80 Monate	70 months

Legend: s-standard; O-option to order; - not available for use; *test result acc. to the report for the selected sample

Veka SL 82	Veka PF 70	AS PLUS	AS 4000 classic, AS 4000 rondo
82	70	85	70
6-leave 7-casement	5	6	5
1	1,3	1,1	1,4
V-perfect / TYPE V	V TYPE	V TYPE	Classic
V-perfect	thin	V TYPE	Classic
V-perfect	V TYPE	V TYPE	Classic
3	2	2	2
TPE	TPE	TPE	TPE
NOTE! 2-sided caramel coloured core with caramel coloured gasket	black	black	black
Classic	Classic	Classic	Classic/rondo
4TM/18A/4/18A/4TM Ug=0,5 W/m ² *K	4/16A/4TM	4/16A/4TM	4/16A/4TM
steel	aluminium	aluminium	aluminium
Uw=0,79 W/m ² *K	Uw=1,38 W/m ² *K	Uw=1,27 W/m ² *K	Uw=1,36 W/m ² *K
71-74%	80-82%	80-82%	80-82%
50-54%	62-65%	62-65%	62-65%
33 (-1;-7)	33 (-1;-4)	33 (-1;-4)	33 (-1;-4)
C5	C4	C3	C4
E1200	E1200	E1500	E1050
4	4	4	4
350 N	350 N	350 N	350 N
s	s	o	o
-	-	s	s
s	s	o	o
up to 4	1	o	o
s	s	s	s
s	s	o	o
s	s	s	s
s	s	o	o
Premium Handles	Standard Handles	Standard Handles	Standard Handles
s	s	s	s
s	s	s	s
70 months	70 months	60 months	60 months

ACCESSORIES FOR PVC WINDOWS

		Passiv Line ULTRA	Passiv Line PLUS	Passiv Line S	Ideal 8000
GLASS	Thickness of available glazing units	24-51	24-51	24-51	24-51
	Optional "warm" glazing unit	4TM/12Kr/4TM/12Kr/4/12Kr/4TM Ug=0,3 W/m ² *K	4TM/18A/4/18A/4TM Ug=0,5 W/m ² *K with warm edge – material PREMIUM	44.4TM/14A/6/14A/6TM Ug=0,6 W/m ² *K with warm edge – material PREMIUM	4TM/18A/4/18A/4TM Ug=0,5 W/m ² *K
	Heat transfer coefficient for the entire 1230 x 1480 window with an optional package and warm spacers	Uw=0,54 W/m ² *K	Uw=0,69 W/m ² *K	Uw=0,78 W/m ² *K	Uw=0,76 W/m ² *K
PANEES	Colored warm edge: white, black, light brown, dark brown, grey	S	S	S	O
	Intermediate wing, balcony window - opened outwards or inwards	-	O	-	O
PROFILES	Entrance doors opened outwards or inwards	-	-	-	-
	Handle in the passive casement of the floating mullion	O	O	O	O
	Bonded pane in the R, RU casement enhancing its statics	S	O	S	O
	Reinforcement enclosed in the frame	-	S	S	S
	RC1 fitting (4 reinforced latches/1 casement, drill-proof sheet, aluminium handle with a key)	O	O	O	O
FITTINGS	RC2 fitting (all latches reinforced, drill-proof sheet, aluminium handle with a key)	O	O	O	O
	Entire window manufactured in RC2 class according to PN-EN 627	O	O	O	O
	Reed relay, VdS	O	O	O	O
	V V - axent 24 hidden hinges	O	O	-	O
	Tilt Before Turn TBT	O	O	O	O
	Komfort fitting - supports tilting	O	O	O	O
	Handle-controlled opening brake	O	O	O	O
	Multi-stage micro-ventilation	O	O	O	O
	Hand rail + balcony latch	O	O	O	O
	Winter-summer air latch	O	O	O	O
	Mechanism for tilting from the floor level - GEZE OL	O	O	-	O

Legend: s-standard; O-option to order; - not available for use; *test result acc. to the report for the selected sample

Veka SL 82	Veka PF 70	AS PLUS	AS 4000 classic, AS 4000 rondo
24-52	24-41	24-51	24-41
4TM/18A/4/18A/4TM Ug=0,5 W/m ² *K	4TM/14A/4/14A/4TM Ug=0,6 W/m ² *K	4TM/18A/4/18A/4TM Ug=0,5 W/m ² *K	4TM/14A/4/14A/4TM Ug=0,6 W/m ² *K
Uw=0,77 W/m ² *K	Uw=0,95 W/m ² *K	Uw=0,79 W/m ² *K	Uw=0,95 W/m ² *K
o	o	o	o
o	o	-	O- only classic
s	s	s	s- only classic
o	o	o	o
o	o	o	o
s	s	s	o
o	o	O- only with the Titan AF	O- only with the Titan AF
o	o	O- only with the Titan AF	O- only with the Titan AF
-	-	O- only with the Titan AF	O- only with the Titan AF
o	o	O- only with the Titan AF	O- only with the Titan AF
o	o	O- only with the Titan AF	O- only with the Titan AF
o	o	O- only with the Titan AF	O- only with the Titan AF
o	o	O- only with the Titan AF	O- only with the Titan AF
o	o	o	o
o	o	o	o
o	o	o	o
o	o	O- only with the Titan AF	O- only with the Titan AF
o	o	o	o

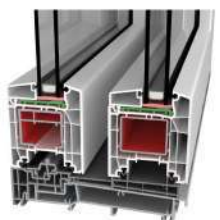
HST



HST BASIC AND PASSIV

HST Basic and Passiv lift and slide doors with casement embedding depth of 85 mm and reveal depth of 197 mm have been designed for unlimited freedom for creation of spaces.

Lift and sliding HST doors meet the three criteria most expected by customers:



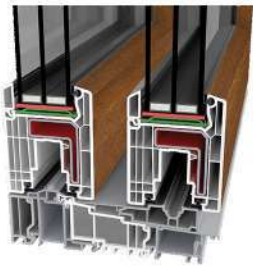
TIGHTNESS - a system based on the Aluplast profile- a market-leading brand- is one of the most impervious solutions in its class. During the tests the tightness it achieved perfect results – the 8A class (450 Pa). Therefore, even during the most extreme weather, HST Basic or Passiv will perform perfectly.

THERMAL INSULATION - due to deep casement embedding we can apply very "warm" glazing units (Ug 0.5 or 0.6 W/m²K), through which we achieve excellent thermal insulation. Depending on your needs, we can manufacture the lift and sliding HST doors in the Basic version, which is addressed to all those who want to combine great window parameters with an acceptable level of investment. However, for the lowest U_w value dedicated for passive and zero-energy houses, we offer a range of solutions employing the HST Passiv system.

LARGE SIZE - HST Basic and HST Passiv also meet another demand of construction market, allowing for manufacturing windows in this class with the maximum width of 6000 mm and height of 2500 mm.

Thanks to modern machinery, we can offer manufacturing these windows in every colour available, regardless of the window system you choose from our offer.





VEKA HST SL 82

The lift-and-slide doors are constructed on the basis of the energy-saving SOFTLINE 82 window profile system. Well thought-out profile geometry, a 3-pane combination of glazing and a gasket system ensure that the door has excellent insulation parameters and ensures the highest tightness in the event of strong winds and driving rain

Reinforcements along the entire perimeter of the HST SL 82 casement and door frame provide the necessary stability. With the use of appropriate fittings, multi-purpose insulating glass and locking systems, safety parameters can be adjusted to your individual requirements. Low, flat threshold shall not be a barrier for anyone and minimizes the differences of levels, eliminating the risk of tripping. Slim design with low profiles provides a large glazing area and yields the desired illumination. On the other hand, the duo-thermal threshold contributes to the achievement of perfect insulation parameters. They are perfect for energy-efficient houses as well as for renovation of older buildings.



The HST lift-and-slide door can be in at least several different versions and systems of wings and FIX parts:
Scheme A, C, D, F, K



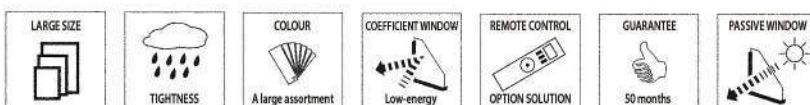
VEKA MOTION 82

The newest system of lift and slide patio doors, which is characterized by the most important properties:

- Energy efficiency- thanks to the use of multi-chamber profiles and a warm PVC threshold with very good thermal insulation, the floor by the door will not be cold.
- High quality of profiles- energy-saving VEKA profile in Class A with a sash depth of 82 mm.
- Tightness- two-stage sealing system in the area of the sliding sash. The arrangement of external seals ensures the door tightness, even under loads such as hurricane winds and heavy rain.
- Huge glazing- triple-pane packages with dimensions of 5 m² and I weigh 250 kg
- Fittings- enable the assembly of two-, three- and four-leaf patio doors with a maximum width of 6.5 m and a height of 2.7 m. The wings can be fixed and lift and slide, so they can be adjusted to specific needs. In color constructions, the max. area of one leaf may be up to 5.5 m², and the leaf weight up to 250 kg. However, in the case of white constructions, the max. leaf area may be 6.5 m² (max. leaf weight 250 kg).
The fittings use ball-bearing rollers and Teflon slides, which make opening and closing the sashes
- extremely comfortable
- Security- profiles reinforced with steel sections as well as anti-burglary fittings and locking systems.
- The safety of everyday use is also ensured by a flat threshold flush with the floor.

In addition, a contactron can be used, which, connected directly to the alarm, will signal a burglary

- attempt through the HST sliding leaf.

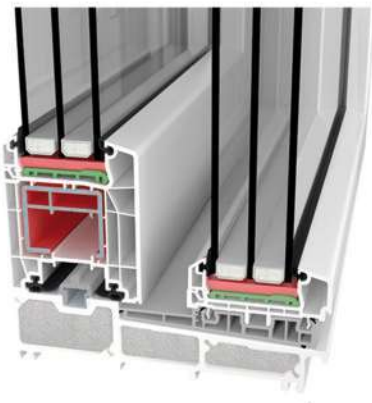


HST PASSIV CORNER VIEW



HST CORNER VIEW

THE HST PASSIV CORNER VIEW LIFT AND SLIDE DOOR SYSTEM



THE HST PASSIV CORNER VIEW lift and slide door system is an ideal solution for optimum use of space within the area of corner terrace doors. With unrestricted freedom, comfort of use and energy-efficiency in mind, we have created a door system with a lowered fixed leaf, low threshold and a corner window joint utilizing the STEP technology, which provides plenty of daylight and enables optimum use of living space.

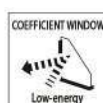
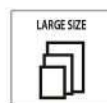
Basic properties of HST PASSIVE CORNER VIEW terrace windows according to PN-EN 14351-1+A2:2016-10:

Heat transfer coefficient- $U_w 0.68 \text{ W}/(\text{m}^2 \cdot \text{K})$

Wind load resistance- class C2

Water tightness- class 8A

Air permeability- class 4





The main advantages of the HST PASSIVE CORNER VIEW terrace windows:

- Limiting linear thermal bridges at the window structure and reveal interface.
- Increase in passive energy gains from solar radiation during the heating season.
- Increase in air tightness of a building.
- Dramatic reduction of loss of thermal energy used for heating purposes.
- Removal of architectural barriers.
- Comfort and ease of use due to the required low operating force.
- Improved lighting with daylight in the living space.
- Competitive price compared to similar products made of wood or aluminium.
- Modern design in accordance with the trends in architecture.
- Freedom of interior arrangement in the vicinity of doors leading to terraces, balconies and gardens.
- Feasibility of installation of fully glazed corner elements of structural walls.

SMART-SLIDE



Smart-slide sliding doors are a new generation in the field of sliding patio doors, and are aimed to be an attractive alternative to PSK/PATIO type doors. This is a great solution both for single-family dwellings as well as public facilities, where ease of use and reliability are expected from patio doors. A well-thought-out combination of technical solutions means that the smart-slide achieves very good results in the areas of air permeability, wind load resistance and water resistance tests. This is all thanks to the ideally matched seals of the sash, which are pressed transversely to the frame over the entire perimeter by turning the handle.

The locking points meeting the area of the post help ensure tight construction.

The innovative closing mechanism allows for simple and intuitive operation similar to solutions used in HST- lift-and-slide doors . Specialized window fittings PATIO INOWA guarantee that after unlocking, the panels move freely and without the slightest resistance on the frame in relation to the unopened part of the structure. The locking mechanism allows the sash to be gently closed in the frame, and thus making the sliding door easy to operate. Window is made in scheme A.



PVC DOORS



What we expect from the front door is a high degree of safety, protection from adverse weather conditions and noise and appearance, which will make the house elegant and unique.

We can achieve it, offering a choice of doors made according to 4 technologies with different design, primary and additional accessories.

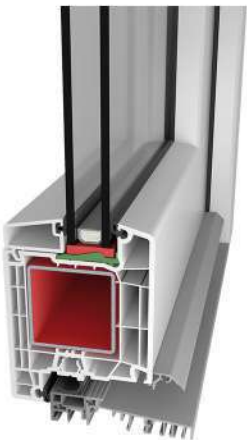
The uniqueness of our offer manifests itself in several variants of inset panels or single- or double-sided overlay panels yielding admirable compositions which improve thermal insulation, all at the same time.



ALUPLAST 4000 EXTERIOR DOORS

The characteristic features of the doors Aluplast 4000 are their robustness and elegance. Thanks to the multi-chamber structure, installation depth of 70 mm and the use of a threshold fitted with a thermal insulation partition, the doors have excellent thermal insulation parameters. The use of steel reinforcement elements with large cross-sections and the application of weldable corner connectors ensure the appropriate parameters in terms of statics and durability.

A wide range of veneer colours, virtually unlimited design possibilities and the possibility to choose different door panels provide additional creative possibilities.



AS PLUS EXTERIOR DOORS

The AS PLUS entrance doors feature excellent thermal insulation. Thanks to the multi-chamber structure, installation depth of 85 mm and the use of a threshold fitted with a thermal insulation partition, the thermal insulation parameters have been significantly improved. AS PLUS doors offer a possibility of glazing and use of panels with a width of 50 mm.

The low door threshold with a height of 20 mm corresponds to the requirements for barrier-free architecture and ensures trouble-free mobility. Wide aluminium drip cap effectively drains the water away.



AS PLUS PANEL EXTERIOR DOORS WITH A DOUBLE SIDED PANEL

Exterior doors with overlay panels covering the leaf surface meet the high aesthetic requirements of architects. Applied 81 mm insulation improves the structure's thermal insulation parameters.



VEKA SL82 EXTERIOR DOORS

Veka SL 82 entrance doors is a modern and energy-saving solution for the most demanding customers. They ensure perfect thermal insulation in the lower part of the structure (low threshold). Very high structural durability and stability has been achieved due to the steel reinforcements with large cross-sections. It is possible to use a drip cap with a brush sweep.

A wide range of colours and models allows you to choose the doors customized to individual needs. Their aesthetics together with excellent technical parameters make the VEKA SL 82 doors a sure investment for years to come.

Available fittings*

1

Hidden hinge

- gives windows a subtle look
- excellent durability and low wear of elements
- continuous sealing guarantees excellent thermal and acoustic insulation
- numerous adjustment possibilities allow maintaining smooth operation of casements for a long time

2



Gradual tilt

- enables adjusting the intensity of ventilation; windows can be set in 5 different positions (tilt range from 4 to 33 mm)

3



Winter-summer air latch

- reduces heat loss and saves energy
- in the summer, a window is tilted as usual; in the winter the tilt is limited to approx. 40 mm
- integrated protection against closing shut

4



SPS micro-ventilation

- constant supply of the necessary volume of fresh air without drafts
- minimized risk of fungus and a healthy climate in the room

1



2

9

10

5

Standard hinge

*Does not apply to line comfort line



Balcony snapper catch

- together with a handle, it allows shutting the window from the outside, protects against losing heat from a room, deactivated in the tilt position

6



Casement lift

- prevents sagging of casements, ensures smooth closing, prevents handling

7



Anti-burglary catch

- a new generation of latches provides high security and low friction levels

8



Rotating mushroom swivel

- locking element in the form of a rotating mushroom, which enables smooth and trouble-free opening, tilting, and closing of windows
- adapts automatically to changing conditions, for example to the ambient temperature
- enables smooth adjustment of pressure

9

Handle-controlled opening brake

- individual adjustment of opening width: casement is blocked at any desired orientation
- keeps the casement in the open position even in strong wind
- easy to retrofit

10

ACCESSORIES- HANDLES

HANDLES | STANDARD

Standard Handles in windows AS4000, AS PLUS, VEKA PF70

This model is available in the following colours:



Premium Handles in windows IDEAL8000, PASSIV LINE PLUS, PASSIV LINE ULTRA, VEKA SL82

This model is available in the following colours:



OPTION: HOPPE HANDLES

ATLANTA

This handle is fitted with a patented locking mechanism that prevents tampering with it from the exterior side of the window, by moving the strip fitting. The characteristic and audible sound in its precise mechanism that you hear when turning the handle indicates that the security feature is active. The version available with a handle locked with a button or a key provides greater protection against unauthorized opening from the outside and from the inside.

This model is available in the following colours:



TOULON

Toulon- a modern square aluminium handle for tilt-turn windows. It enables stepless adjustment by a built-in spring inside the handle. This is a high-quality product with a patented SECUSTIK® and VarioFit® technology. These handles have a four-position gear that allows you to rotate the handle 90°.

This model is available in the following colours:



HAMBURG SECUFORTE®

Window handles with SecuForte® technology, HOPPE is offering a completely new innovative standard of burglary protection. Perfect for windows and balcony doors, which are easily accessible to burglars: on terraces, at side entrances, on the ground floor, in hidden places of the building, or are easily accessible on the upper floors by such facilities as climbing a garage roof, wall etc.

This model is available in the following colours:



ACCESSORIES- PANES, WARM SPACER

PANES

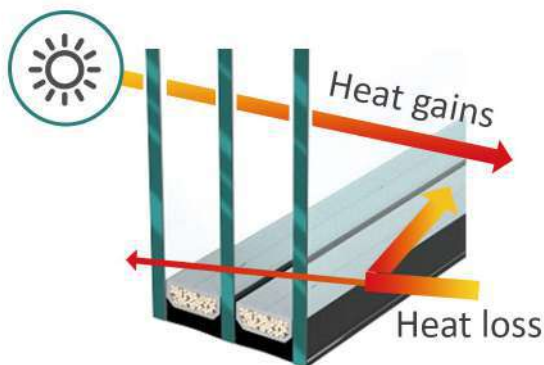
Among other things, thermal and acoustic properties of a window depend on the glazing. Selection of a glazing unit and pane type can be custom for each client.

GLAZING UNITS



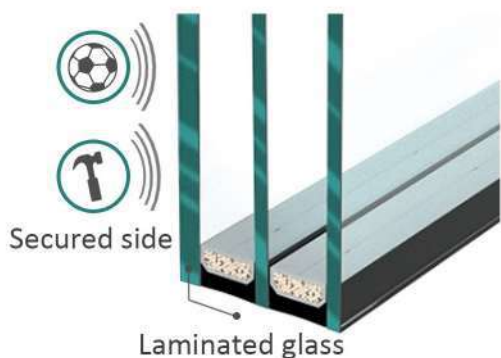
Double glazing (single chamber) Triple glazing (double chamber)

GLAZING TYPES



ENERGY-EFFICIENT GLAZING

They reduce heat loss from buildings by up to 40% while retaining the energy from solar radiation. This kind of optimised energy consumption leads to significant money savings on heating bills compared to traditional windows.

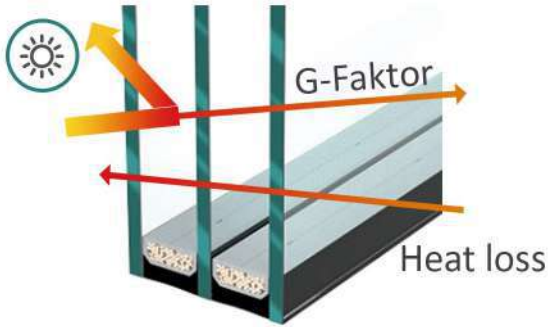


SAFETY GLAZING

Tempered - panes with enhanced mechanical and thermal resistance, breaks into thousands of pieces when shattered.

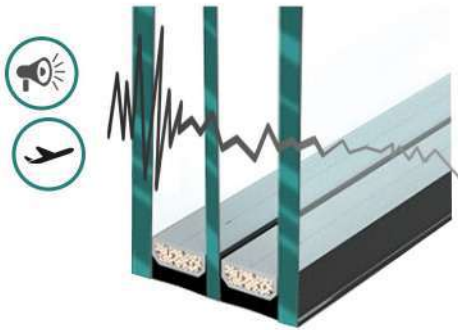
Laminated - panes laminated with film layers, which retain pieces of glass in the window when it becomes shattered.

Anti-burglary - a special type of laminated glass with more film layers making breaching the pane more difficult.



SUN-PROOF PANES

Glass with a selective film, which reflects up to 75% of heat radiation, ensuring comfortable temperature in rooms facing South.



SOUND ABSORBING GLASS

Glass limiting the propagation of sound waves into rooms.



ECLAZ GLAZING

MORE NATURAL LIGHT AND THE SENSE OF WELL-BEING

Aesthetic appearance, perfect thermal insulation, high energy gains, access to natural daylight- ECLAZ makes it possible to meet the most stringent requirements regarding the energy efficiency of windows and the comfort of residents without any compromises.

"WARM SPACERS" EG SWISSPACER

Spacers are made of insulating plastic material composite, which is a barrier for energy losses arising at the interface between the glazing and sealing. Their edges have a higher temperature than in the case of aluminium or steel barriers, hence the common name "warm spacer".

Heating expenses become significantly reduced as a result of eliminating the weaker points of windows structure. Available in the PREMIUM version.



Available colours of "warm spacer"

ORNAMENTS-COLOURS

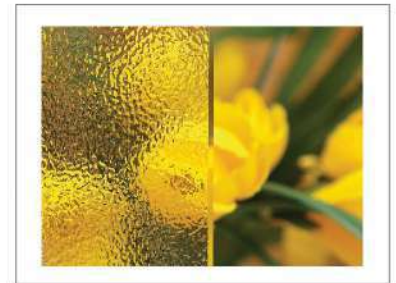
ORNAMENT DESIGNS, GROUP I



COLOURLESS
UNSANDED CORA



BROWN
UNSANDED CORA



COLOURLESS
UNSANDED CREPI



COLOURLESS
UNSANDED DRIZZLE



BROWN
UNSANDED DRIZZLE



UNSANDED
CAT'S PAW

ORNAMENT DESIGNS, GROUP II



COLOURLESS
UNSANDED CHINCHILA



WHITE
SANDBLASTED DELTA



COLOURLESS
UNSANDED FLUTES



COLOURLESS
SANDBLASTED FLUTES



COLOURLESS UNSANDED
MASTER CARE



WHITE
SANDBLASTED NIAGARA

ALUMINIUM JOINERY



ALUPROF



MB-104 PASSIV

The MB-104 Passive is a thermal break-equipped window & door system that provides the highest thermal insulation performance, and meets all the requirements for passive building components. The system is used to fabricate exterior architectural development elements, e.g. various types of windows, doors, vestibules, and spatial structures, which are characterized, in addition to the excellent thermal insulation, by a very good sound insulation, water- and air tightness and high structural strength.

SCHÜCO



AWS 112 IC (INSULATION COVER)

The aluminium window system meets the strict passive house certification criteria:

- Unrivalled thermal insulation for aluminium windows with a U_f value of $0.80 \text{ W}/(\text{m}^2\text{K})$ (with a 120mm face width) to passive house standards
- For the first time, thermal insulation of $U_w = 0.75 \text{ W}/(\text{m}^2\text{K})$ with triple glazing ($U_g = 0.6 \text{ W}/(\text{m}^2\text{K})$) and plastic spacer can be achieved for an entire aluminium window
- Optimised thermal insulation due to insulated cover profile with fixing which is free from thermal bridging
- New vent frame design based on the block design to achieve narrow face widths combined with large areas of glass



ALIPLAST

STAR

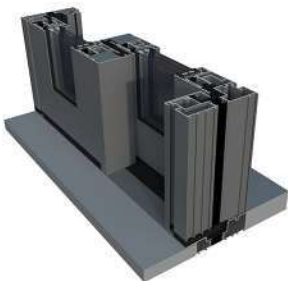
Modern window and door **system for the design of windows and doors** that require great thermal insulation (U_f from $0.6 \text{ W/m}^2\text{K}$).



45mm wide thermal break made of solid and proven materials provides a reliable heat barrier. This system is especially recommended for low-energy buildings and structures undergoing thermal modernization.

ULTRAGLIDE

Lift and slide door system with improved thermal insulation intended for designing structures with very large dimensions of mobile leaves. The system uses a thermal break enriched with glass fibre, thermal inserts and sub-pane inserts, improves the thermal insulation of the section.



The system allows designing large glazing surfaces, which provide excellent lighting and facilitates arrangement of space, while maintaining stability, functionality, and lightness of the structure. Ideal for commercial developments that require open space units, terraces, verandas, sun rooms and patios.

ALUMINIUM JOINERY



PONZIO

PF 152 HI

Façade system with double-chamber glazing- System of mullion and transom curtain walls with high thermal insulation most widely used in energy-efficient construction.

A specially designed thermal insert, which fills the space between the panes, enhances the parameters of the entire structure due to its shape and properties.



PE 68/PE 78N

A door system that is a solution for the most demanding customers, intended for the production of special design doors, which allows for a uniform plane of the door leaves.

The profile of leaves is designed to be flush with the frame after pasting in the panel, which decorative finish depends on the type. Lightweight and solid doors and a wide range of panel designs make this solution suitable for the architecture of detached houses.





WICONA

WICLINE 75 TOP



Window system characterized by high energy-efficiency, which is why it is intended for passive houses. In addition, this system features virtually unlimited architectural combinations: from the classic design, through hidden casements and French door windows, to unusual solutions.

The new applied ETC Intelligence® technology offers a high level of thermal insulation in the area of the thermal break and enables reaching U_f coefficient at the casement and frame joint of up to $1.0 \text{ W}/(\text{m}^2\text{K})$, without the need for thermal foam application.

TOP is: » T = thermal insulation at the highest level » O = Optimal production » P = Passive house standard

WICLINE 95



Window system which meets the stringent requirements of the Institute for Passive Housing of Dr. Feist in Darmstadt, Germany. It is a window system that provides the highest energy efficiency.

Excellent thermal performance is achieved for the majority of applications without the traditional insulation inserts.